

Impact of Polytechnic Education on Entrepreneurship Development in Nigeria

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ABSTRACT

The consequential failures of breakeven in respect to business expectations in Northern Nigeria drive around the competent knowledge acquired by entrepreneurs. This knowledge can be translated into identifiable opportunities with lucrative business openings. As such impacting knowledge on Entrepreneurship Education to yield employment opportunities through the entrepreneurship development was the bases of this Research work. Survey Method was designed and used with Multistage sampling procedure. The responses were categorized into four Stages. (9) local governments were randomly selected from three (3) senatorial zones in Stage One. In the second stage, fifty (50) Ramat Polytechnics graduates engaged in Entrepreneurship businesses in the areas of Technical, Vocational, Businesses etc. courses were purposively selected from 27 local governments of the state. Descriptive statistic and five point likert scale were used to analyze the data. The result shows that; there were several types of entrepreneurs that are products of Polytechnic Education fastened in economic growth with employment opportunities created through the entrepreneurship development through expanding of businesses and poverty reduction. It was recommended that Entrepreneurship development should become part and parcel of tertiary Institutions' curriculum so that youngsters will acquire the necessary skills from the onset.

Keyword: Impact; Polytechnic; Development; Entrepreneurial

1. INTRODUCTION

In Nigeria today, the increasing rate of unemployment, corruption and so many other social problems become worrisome to the government and to every well meaning citizen. Therefore, the need apparent change is very desirable and necessary for the country to move to forge to ahead and to meet up with the global challenges. The integration of economies through globalization process any government or state that hesitates or vacillates on whether to imbibe the culture of change will certainly create standstill not only at the detriment of its country but to the larger global community.

The incidence of Poverty in Nigeria is on the high side, where 70% of the total population has been classified as poor (Nigeria Entrepreneurship Initiative, 2009; Ewhrudjakpor, 2008)

This rate of poverty is however accentuated by the increasing rate of unemployment, high level of illiteracy, corruption and bad governance among others. They demanded that government provide them with jobs for them to cater for their essential needs of life (Dabalén, Oni and Adekola, 2000). It is pertinent to note that education can be a means to an end. It can simply be a tool for securing employment and emancipation of people through the provision and acquiring of necessary knowledge and skills to make lives more flourishing. The objective of this paper is to emphasize the need and importance of entrepreneurship education, which will serve as a panacea to some social economic problems. This study assessed the effects of Polytechnic Education in entrepreneurship development in Borno State, Nigeria.

One of the goals of economic development founded by successive governments particularly in developing economies have been the reduction of unemployment through entrepreneurial development (Bello, 2010). A cardinal thrust for the achievement of the objective has been the development of indigenous entrepreneurship through provision of enabling environment, technical education and financial assistance as well as skill acquisition opportunities (Musa, 2009).

Entrepreneurs have emerged as important agents of economic and social transformation in all countries of the world (Bello, 2010). Since the adoption of the economic reform programme in Nigeria in 1986, there has been a decisive switch of emphasis from the grandiose, capital intensive, large-scale industrial project based on the philosophy of import substitution to small scale industries with immense potentials for developing domestic linkages for rapid, sustainable industrial development (Musa, 2009).

Entrepreneurship development through education has been receiving attention globally. Several attempt have been made through researches, mounting of entrepreneurship courses, programmes in both institutions of learning and entrepreneurship research centers for the purpose of developing both entrepreneurship spirit and culture (Akpomi 2009; Adejimola and Olufunmilayo 2009; Dickson, Solomon and Weaver, 2008, Vincent and Farlow, 2008; Urbano, Aponte and Toledano, 2008; Poikkijoki and Heinonen, 2006; Fuchs, Werner and Wallau, 2008; Johnso, Craig and Hildebrand, 2006; Matlay, 2008, 2009; Solomon, 2007). In this regard, effort has to be intensified to mobilize and enhance entrepreneurial activity which will consequently benefit individuals, government, and the society at large. Poverty and Unemployment are among the major developmental problems that face every developing economy in the 21st century (Ewruhjakpor, 2008).

2. METEIRAL AND METHOD

The populations for this study were the respondents who have undergone Ramat Polytechnic Education engaged in Entrepreneurship businesses in Borno State, Nigeria. The sample for this study was the Ramat Polytechnic graduates engaged in Entrepreneurship businesses in Borno State, Nigeria. Multistage sampling procedure was employed for this study. In the first stage, three (3) local governments were randomly selected in each of the three (3) senatorial zones of the State. In the second stage, fifty (50) Ramat Polytechnics graduates engaged in Entrepreneurship businesses in the areas of Technical, Vocational, Businesses etc courses were purposively selected from the local governments. While in the third stage, a total of 300 respondents who were graduates of the Ramat Polytechnics Maiduguri operating various types of entrepreneurship businesses were randomly and proportionately selected and used for the analysis.

The Study employed, Descriptive statistics, such as frequency, percentage and five point likert scale were used to analyze the data. The descriptive statistics used includes percentage and frequency. These were used to analyze the various types of entrepreneurship developed by Polytechnic Education; identify the problems faced by the Polytechnic in imparting knowledge on Entrepreneurship Education; and the employment opportunities created through the entrepreneurship development by the Polytechnic Education to achieve specific objective.

3. REVIEW OF EMPHERICAL LITERATURE

The Concept and Development of Entrepreneurship

A natural entrepreneur should have a vision of something new and a belief in it that is so strong that it becomes a reality; a touch of craziness; act instinctively; have ideas constantly bubbling and pushing up inside until they are forced out; The entrepreneur generally decides on the product, acquires the facilities and brings together the labour force, capital and production materials. If the business succeeds, the entrepreneur reaps the reward of the profits; and if it fails, he takes loss. In the view of Gana (2000).

Despite the apparent benefits, indications are that all is not well with entrepreneurship in Nigeria. One of the factors identified as barriers to entrepreneurship is the lack of seed capital (Oshagbemi, 1983). This is more acute in Nigeria with more than 70% of the entire Nigerian population living below poverty level (Bello, 2008).

Entrepreneurship has been recognized as an important aspect and functioning of organization and economies (Dickson, Solomon and Weaver, 2008). It contributes in an immeasurable ways toward creating new job, wealth creation, poverty reduction, and income generating for both government and individuals. Schumpeter in 1934 argued that entrepreneurship is very significant to the growth and development of economies (Keister, 2005). Education is undisputedly considered as the bedrock of any meaningful development (Akpomi, 2009), be it economic, social or political.

The Nigeria policy of education made it clear on the need for functional education, to be relevant, practical and acquisition of appropriate skills and development of competencies as equipment for the individuals to live in and contribute to the development of his/her society (Aladekomo, 2004). Adejimola and Olufunmilayo (2009) reported that about 80% of the graduates find it difficult to get employment every year. And at the same time much has not been done in trying to bring collaboration between the entrepreneurs and the institutions. The universities, polytechnic and any other academic institution's community stands to benefit a lot from entrepreneurs out there. Opportunity entrepreneurship came into being as a result of exploiting certain opportunity that exist while on other hand necessity come as a respond to employment crisis, this necessitate second option of been self employment (Koster and Rai, 2009; Keister, 2005).

Nigeria Educational Policy and Entrepreneurship

The history of Nigeria education system could be traced back to the colonial period, the educational policy then was geared toward serving the interest of the colonial masters in term of supply of manpower for their effective administration of Nigeria colony and protectorates (Aladekomo, 2004).

However, In the 1981 National policy of education attempt has been made by the government to link the policy with the issue of self employment and the industrial policy. Thus higher education policy as stipulated is expectedly to cater for production scientist and technologist and absolutely none was directed for self employment but for the vacant positions

in government or public offices (Aladekomo, 2004). In an attempt to ascertain the way forward and in response to the current socio-economic problems of the country as earlier mentioned, questions were raised by various people as to what is the right Technical and vocational institutions where designed largely to prepare technicians at occupational levels. Fakae (2005) asserted that “emphasis is on skill-acquisition and sound scientific knowledge, which gives ability to the use of hand and machine for the purpose of production that vocational education has not and cannot provide permanent solution to unemployment as some of us may believe. Onifade (2002) observed that “the threat of job scarcity and growing unemployment creates doubts and pessimism on the programmes of vocational technical schools and the education system in general”.

Adamu (2008) asserted that the Nigeria University education, patterned after the “gold standard” of British colonial universities remains the highway to white collar jobs and social security for millions of Nigerians

the polytechnic sector in which a large number of people vehemently opposed to this development. According to Onukaogu (2008) “There is absolutely nothing wrong with a very well set out plan by the government to encourage the Nigerian child to pursue science subjects. In another development, Onifade (2002) pointed out that commonwealth Minister of Education in August 1988 and the Commonwealth Association of Polytechnics in Africa (CAPA) in 1991 opined that students in tertiary institutions should be taught entrepreneurship education in their final sessions.

It is believe that the current formal education is only aimed at making people to be the same in spite of the differences in them. This fact has been corroborated by Ingalla (1976); “It is becoming increasingly clear that formal schooling in our society generally aims at creating sameness and not difference. The members of class, for example, are graded on the basis of how well they each acquire the same information presented in same way to all.

Entrepreneurial Education and National Development

The need of education in the developmental effort of any nation cannot be underestimated. The development of educational sector is sine-qua non for the development in all other sectors. Barnabas and Durkwa (2007) asserted that “development in any society is anchored primarily to education process”. Sule (2004) is of the opinion that education is a sure pathway to liberation of the mind and the improvement of socio economic status of people. It also follows that education and training help individuals to be empowered and escape poverty by providing them with the skills and knowledge to raise their output, income and wealth (Aliu, 2007). In the light of the above stated facts, various government and international agencies are making serious effort in both developed and underdeveloped to optimally develop the education Sector

According to Essien (2004), “sustainable development has to do with meeting the needs of the present generation without denying future generation access to the same natural resources for their own needs”.

The development here is appraised in terms of both redistribution of wealth and meeting the basic needs of the masses at sustainable level. This means that it must be sustained to be able to impact and change the life and living of the masses (Kazaure and Danmallam, 2006).

Developing and Supporting Entrepreneurial Careers/Selection in School

There is much effort and enthusiasm to teach entrepreneurship course using wide range of method such as venture creation by students, developing formal business plan, creating out feasibility study etc.(Vincett and Farlow, 2008; Dickson, Solomon and Weaver, 2008).

acquisition of necessary competencies to sense of self reliance, independence, youth empowerment and of course poverty reduction (Akpomi,2009). In their opinion Adejimola and Olufunmilayo (2009) lamented that “even in the developed countries education system emphasizes the trial of inquiry –discovery application in teaching’. The task of Universities and other institutions where entrepreneurship education need to be taught,

This appropriate human capital or resource space is the ideal educational environment for producing individuals with a mindset of self-reliant, creativity and high productivity ready to cope with the 21st century world of work (Aliu, 2007). Perhaps the Government may have to take the lead, at least at first so that other will follow suit (McConnell and Brue, 2002). Sagagi (2007) stated that “fostering an environment that encourages entrepreneurs to invest in technology and new activities is critical to the required economic growth in Nigeria

4. RESULT PRESENTATION

Table 1. Types of entrepreneurship developed by polytechnic education.

Types of entrepreneurship	Frequency	Percentage
Mechanical workshop	129	43
Building and construction	53	17.7
Provisions store	29	9.4
Manufacturing industries	10	3.3
Animal husbandry	79	26.3
Total	300	100

Source: Field Survey, 2012

Table 2. Constraining Factors to Entrepreneurship Development by the Polytechnic Education.

S/N	Constraining factors	Strongly agreed	Agreed	Strongly disagreed	Disagreed	Undecided	Total
i.	Inadequate finance	60 (20)	117 (39)	35 (11.7)	48 (16)	40 (13.3)	300 (100)
ii.	Ignorance of institutionalize incentive	44 (14.7)	70 (23.3)	87 (27)	59 (19.7)	40 (13.3)	300 (100)
iii.	High rate of business mortality	63 (21)	98 (32.7)	74 (24.7)	40 (13.3)	25 (8.3)	300 (100)
iv.	inadequate trained personnel	53 (17.7)	129 (43)	11 (3.7)	79 (26.3)	28 (9.3)	300 (100)
v.	Restricted market	21 (7)	69 (23)	109 (36.3)	53 (17.7)	48 (16)	300 (100)

vi.	Lack technical advice	48 (16)	59 (19.7)	80 (26.7)	75 (25)	38 (12)	300 (100)
vii.	Lack of efficiency	40 (13.3)	100 (33.3)	82 (27.3)	44 (14.7)	34 (11.3)	300 (100)
viii.	Aversion to ownership dilution	53 (13.3)	68 (22.7)	75 (25)	94 (31.3)	10 (3.3)	300 (100)
ix.	Poor accounting and record keeping	93 (31)	112 (37.3)	30 (10)	41 (13.7)	24 (8)	300 (100)
x.	Diversion of business fund	81 (27)	73 (24.3)	49 (16.3)	63 (21)	34 (11.3)	300 (100)
xi.	Poor infrastructural facilities	40 (13.3)	105 (35)	84 (28)	20 (6.7)	51 (17)	300 (100)
xii.	Inadequate and unharmonized incentive	39 (13)	79 (26.3)	63 (21)	57 (19)	62 (20.7)	300 (100)
xiii.	Lack of appropriate technologies	70 (23.3)	109 (36.3)	43 (14.3)	38 (12.7)	40 (13.3)	300 (100)
xiv.	Lack of seed capital	71 (23.7)	82 (27.3)	52 (17.3)	49 (16.3)	46 (15.3)	300 (100)

Source: Field Survey, 2012

Table 3. Facilitating Factors to entrepreneurship development by polytechnic education.

S/N	Facilitating factors	Strongly agreed	Agreed	Strongly disagreed	Disagreed	Undecided	Total
i.	Operating independent business	79 (26.3)	83 (27.7)	44 (14.7)	32 (10.7)	62 (20.6)	300 (100)
ii.	Fastening economic growth	83 (27.7)	102 (34)	60 (20)	29 (9.7)	26 (8.6)	300 (100)
iii.	Increasing productivity	74 (24.7)	138 (46)	49 (16.3)	10 (3.3)	29 (9.7)	300 (100)
iv.	Creating new technology	101 (33.7)	124 (41.3)	23 (7.7)	12 (4)	40 (13.3)	300 (100)
v.	Generating market competition	73 (24.3)	95 (31.7)	49 (16.3)	37 (12.3)	46 (15.3)	300 (100)

Source: Field Survey, 2012

Table 4. Major Problems Faced by the Polytechnic in Imparting Knowledge on Entrepreneurship Education.

S/N	Major Problems	Frequency	Percentage
i.	Policies and new curriculum are not in line with demand for imparting knowledge on entrepreneurship	43	14.3
ii.	Selection of entrepreneurship by the student is as a matter of opportunity	24	8
iii.	Most of the polytechnic educational policies failed to take issue of self employment	34	11.3
iv.	Inadequate instructional facilities to provide the technical knowledge and vocational skills necessary for agricultural, industrial, commercial and economic development	53	17.7
v.	Poor educational background of the students to have better intelligent understanding of the increasing complexity of technology	41	13.7
vi.	To revisit the ratio of 70% science and 30% arts policies in the polytechnic sector creates discomfort and feeling of inferiority on part of students studying arts and humanities	63	21
vii.	There is still unprecedented increasing number graduate without corresponding vacancies	31	10.3
viii.	The current formal education is only aimed at making people to be the same in spite of the differences in them.	11	3.7
	Total	300	100

Source: Field Survey, 2012

Table 5. Employment Opportunities created through the Entrepreneurship Development by the Polytechnic Education.

S/N	Employment opportunities	Frequency	Percentage
i.	Growth and development of economies	44	14.7
ii.	Wealth creation by expanding businesses	74	24.7
iii.	Poverty reduction among individuals	80	26.6
iv.	Income generating for both government and individuals	42	26.6

v.	Creating new job for unemployed polytechnic graduates	60	20
	Total	300	100

Source: Field Survey, 2012

5. RESULT AND DISCUSSION

The types of entrepreneurship developed by polytechnic education identified include mechanical workshop, building and construction, provisions store, manufacturing industries and animal husbandry. The findings are presented in Table 1 shows that most 43 % of the respondents indicated mechanical workshop as the type entrepreneurship they are operating, 17.7 % indicated building and construction, 9.7 % sale provision store, 3.3 % have manufacturing industries, while 26.3 % indicated animal husbandry in the study area. This implies that most of the respondents have mechanical workshop as their entrepreneurship in the study area.

The constraining and facilitating factors to entrepreneurship development by the Polytechnic education were examined and Analyzed in Table 2 which shows that 20 % of the respondents strongly agreed that inadequate finance was a constraining factor, 39 % agreed, 17.7 % strongly disagreed, 16 % disagreed, while 13.3 % undecided. This indicates that most of the respondents agreed that inadequate finance is a constraining factor to entrepreneurship development by the Polytechnic education in the study area. Inadequate finance limits the scope investment by an entrepreneur.

The result also shows that 14.7 % of the respondents strongly agreed that ignorance of institutionalized incentive was a constraining factor, 23.5 % agreed, 27 % strongly disagreed, 19.7 % disagreed, while 13.3 % undecided. This means most of the respondents strongly disagreed that ignorance of institutionalized incentive was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

In another direction the, finding indicates that 21 % of the respondent strongly agreed that high rate of business mortality was a constraining factor, 32.7 % agreed, 24.7 % strongly disagreed, 13.3 % disagreed, while 8.3 % undecided. This implies that most of the respondents agreed that high rate of business mortality was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

The result also indicates that 17.7 % of the respondents strongly agreed that inadequate trained personnel was a constraining factor, most 43 % agreed, 3.7 % strongly disagreed, 26.3 % disagreed, while 9.3 % undecided.

This implies that most of the respondents agreed that inadequate trained personnel were a constraining factor to entrepreneurship development by the Polytechnic education in the study area. The reason is obvious, inadequate trained personnel will affect the entrepreneurs' quality of service rendered to clients.

The finding indicates that 7% of the respondents strongly agreed that restricted market was a constraining factor, 23% agreed, 36.3 % strongly disagreed, 17.7 % disagreed, while 16 % undecided. This reveals that most of respondents strongly disagreed that restricted market was a constraining factor to entrepreneurship development by the Polytechnic education in the study area. The result shows that 16 % of the respondents strongly agreed that lack of technical advice was a constraining factor, 19.7 % agreed, 26.7 % strongly disagreed, 25 % disagreed, while 12 % undecided. This indicates that most of the respondents strongly disagreed that lack

of technical advice was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

It was discovered that 13.3 % of the respondents strongly agreed that lack of efficiency was a constraining factor, 33.3 % agreed, 27.3 % strongly disagreed, 14.7 % disagreed, while 11.3 % undecided. This implies that most of the respondents agreed that lack of efficiency was a constraining factor to entrepreneurship development by the Polytechnic education in the study area. That shows that 17.7 % of the respondents strongly agreed that aversion to ownership dilution was a constraining factor, 22.7 % agreed, 25 % strongly disagreed, 31.3 % disagreed, while 3.3 % undecided. This indicates that most of the respondents disagreed that aversion to ownership dilution was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

Another 31 % of the respondents strongly agreed that poor accounting and record keeping was a constraining factor, 37.3 % agreed, 10 % strongly disagreed, 13.7 % disagreed, while 8 % undecided. This shows that most of the respondents agreed that poor accounting and record keeping was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

The result shows that 27 % of the respondents strongly agreed that diversion of business fund was a constraining factor, 24.3 % agreed, 16.3 % strongly disagreed, 21 % disagreed, while 11.3 % undecided.

This reveals that most of the respondents strongly agreed that diversion of business fund was a constraining factor to entrepreneurship development by the Polytechnic education in the study area. That 13.3 % of the respondents strongly agreed that poor infrastructural facility was a constraining factor, 35 % agreed, 28 % strongly disagreed, 6.7 % disagreed, while 17 % undecided. This indicates that most of the respondents agreed that a poor infrastructural facility was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

Some of the inadequacies rated 13 % of the respondents strongly agreed that inadequate and unharmonized incentives were constraining factors, 26.3 % agreed, 21 % strongly disagreed, 19 % disagreed, while 20.7 % undecided. This shows that most of the respondents agreed that inadequate and unharmonized incentives were constraining factors to entrepreneurship development by the Polytechnic education in the study area. The result also shows that 23.3 % of the respondents strongly agreed that lack of appropriate technologies were constraining factors, 36.3 % agreed, 14.3 % strongly disagreed, 12.7 % disagreed, while 13.3 % undecided.

This implies that most of the respondents agreed that lack of appropriate technologies were constraining factors to entrepreneurship development by the Polytechnic education in the study area. The result indicates that 23.7 % of the respondents strongly agreed that lack of seed capital was a constraining factor, 27.3 % agreed, 17.3 % strongly disagreed, 16.3 % disagreed, while 15.3 % undecided. This implies that most of the respondents agreed that lack of seed capital was a constraining factor to entrepreneurship development by the Polytechnic education in the study area.

The facilitating factors to entrepreneurship development by the Polytechnic education were identified. Analysis of the result in Table 3 shows that 26.3 % of the respondents strongly agreed that operating independent business was a facilitating factor, 27.7 % agreed, 14.7 % strongly disagreed, 10.7 % disagreed, while 20.6 % undecided. This implies that most of the respondents agreed that operating independent business was a facilitating factor to entrepreneurship development by the Polytechnic education in the study area. The result also shows that 27.7 % of the respondents strongly agreed that fastening economic growth was a

facilitating factor, 34 % agreed, 20 % strongly disagreed, 9.7 % disagreed, while 8.6 % undecided. This indicates that most of the respondents agreed that fastening economic growth was a facilitating factor to entrepreneurship development by the Polytechnic education in the study area.

The result reveals that 24.7 % of the respondents strongly agreed that increasing productivity was a facilitating factor, most 46 % agreed, 16.3 % strongly disagreed, 3.3 % disagreed, while 9.7 % undecided. This reveals that most of the respondents agreed that increasing productivity was a facilitating factor to entrepreneurship development by the Polytechnic education in the study area.

The result also indicates that 33.7 % of the respondents strongly agreed that creating new technology was a facilitating factor, most 41.3 % agreed, 7.7 % strongly disagreed, 4 % disagreed, while 13.3 % undecided. This shows that most of the respondents agreed that creating new technology was a facilitating factor to entrepreneurship development by the Polytechnic education in the study area. The finding also shows that 24.3% of the respondents strongly agreed that generating market competition was a facilitating factor, 31.7 % agreed, 16.3 % strongly disagreed, 12.3 % disagreed, while 15.3 % undecided. This implies that most of the respondents agreed that generating market competition was a facilitating factor to entrepreneurship development by the Polytechnic education in the study area.

Major problems faced by the Polytechnics in imparting knowledge on entrepreneurship education were identified in Table 4, Analysis of the result in the Table 4 shows that 14.3 % of the respondents indicated that policies and new curriculum not in line with demand for imparting knowledge on entrepreneurship was the major problem faced by the Polytechnic in imparting entrepreneurship education, 8 % said selection of entrepreneurship by the student is as a matter of opportunity, 11.3 % said the polytechnic educational policies failed to take issue of self employment, 17.7 % indicated inadequate instructional facilities to provide the technical knowledge and vocational skills necessary for agricultural, industrial commercial and economic development, 13.7 % said poor educational background of the students to have better intelligent understanding of the increasing complexity of technology, 21 % indicated the revisit of 70 % science and 30 % arts policies in the polytechnic sector creates discomfort and feeling of inferiority on the part students studying arts and humanities, 10.3 % said there is unprecedented increasing number graduates without corresponding vacancies, while 3.7 % said the current formal education is only aimed at making people to be the same in spite of their differences in the study area.

This implies that revisit of 70 % science and 30 % arts policies in the polytechnic sector creates discomfort and feeling of inferiority on the part students studying arts and humanities was a major problem faced by the Polytechnic in imparting entrepreneurship education in the study area.

The employment opportunities created through the entrepreneurship development by the polytechnic education were examined. The findings are presented in Table 5 Analysis of the result in Table 5 shows that 14.7 % of the respondents indicated employment opportunities created through the entrepreneurship development by the Polytechnic Education were growth and development of economies, 24.7 % said wealth creation by expanding business, 26.6 % indicated poverty reduction among individuals, 14 % said income generation for both government and individuals, while 20 % indicated creating new jobs to employ polytechnic graduates were the employment opportunities created through the entrepreneurship development by the Polytechnic Education

5. CONCLUSION

The study concludes that most of the respondents have mechanical workshop as their entrepreneurship and agreed that inadequate finance, high rate of business mortality, inadequate trained personnel, lack of efficiency, poor accounting and record keeping, poor infrastructural facility were constraining factor entrepreneurship development by the Polytechnic education in the study area. Another proportion of the respondents strongly agreed that diversion of business fund, while some strongly disagreed that ignorance of institutionalized incentive, restricted market, lack of technical advice and aversion to ownership dilution were constraining factor entrepreneurship development by the Polytechnic education in the study area.

The study also concludes that most of the respondents agreed that operating independent business, fastening economic growth, increasing productivity, creating new technology and generating market competition were facilitating factor to entrepreneurship development by the Polytechnic education in the study area. The revisit of 70 % science and 30 % arts policies in the polytechnic sector creates discomfort and feeling of inferiority on the part students studying arts and humanities was the major problem faced by the Polytechnic in imparting entrepreneurship education in the study area. Growth and development of economies, wealth creation by expanding business, poverty reduction among individuals, income generation for both government and individuals and creating new jobs to employ polytechnic graduates were the employment opportunities created through the entrepreneurship development by the Polytechnic Education in the study area.

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